

**Power supply unit ATX 50W  
with input current 100 - 240VAC**

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**DP010  
DP010-F1  
DP010-F2**

**Input features:**

Minimum input voltage: ~100VAC

Maximum input voltage: ~240VAC

**Output connectors:**

20-pin ATX (MF-20F) (power rails: +5Vsb, +5V, +3.3V, +12V, -12V, GND, PS-ON, PG)

4-pin for HDD ATA (TH-4F) (power rails: +5V, GND, +12V)

15 pin for HDD SATA ( power rails +5V, GND, +12V)

4 pin for CPU 12V (MF-4F) (GND, +12V)

**Output features:**

| Power rail | Nominal voltage, V | Nominal voltage tolerance range, % | Maximum current, A |
|------------|--------------------|------------------------------------|--------------------|
| +5Vsb      | 5                  | +5 / -3                            | 2                  |
| +5V        | 5                  | +5 / -3                            | 6 <sup>(1)</sup>   |
| +3.3V      | 3.3                | ±2                                 | 5                  |
| +12V       | 12                 | ±3                                 | 2                  |
| -12V       | -12 <sup>(2)</sup> | —                                  | 0.1                |

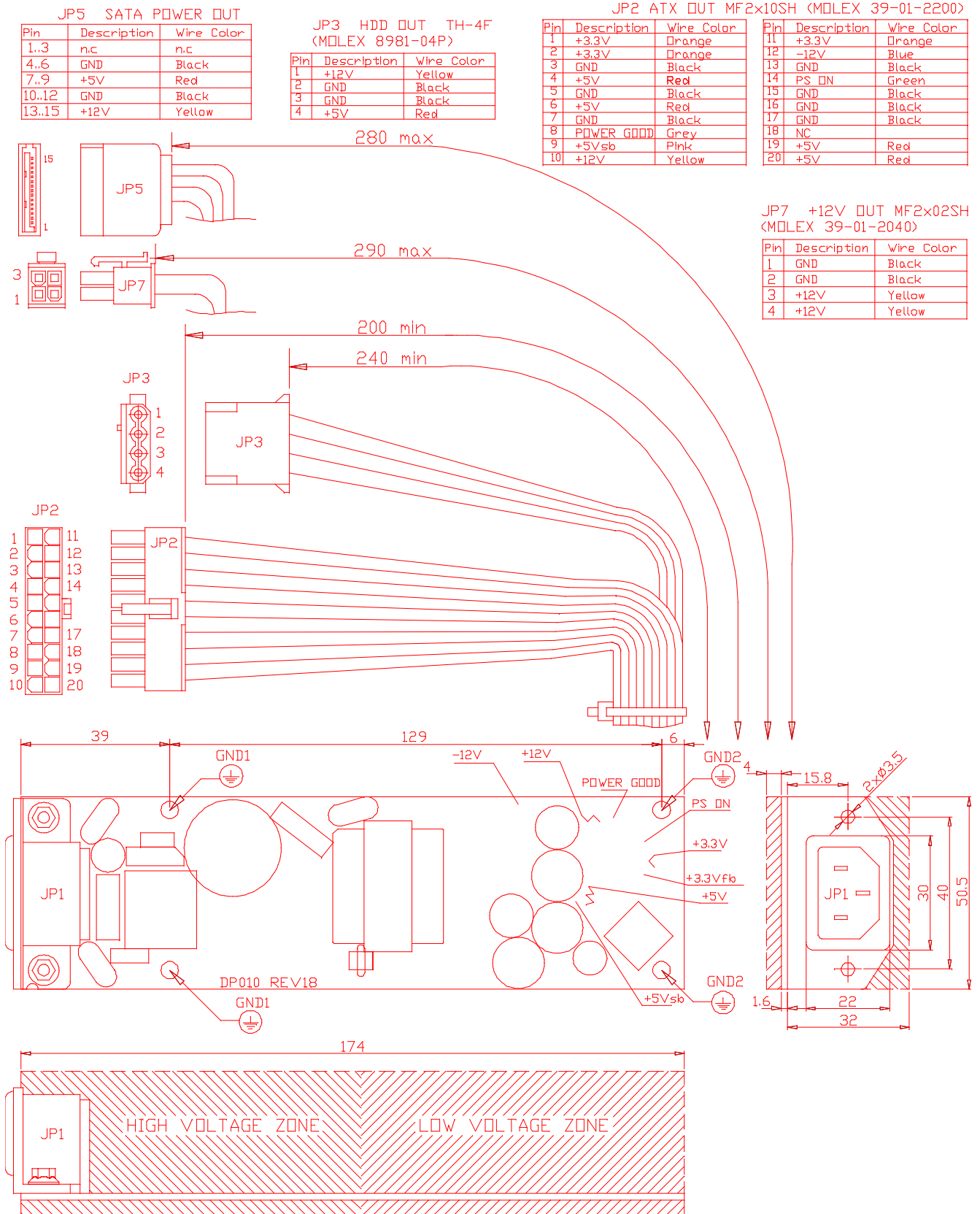
<sup>(1)</sup> Total current via +5Vsb and +5V rails

<sup>(2)</sup> Output voltage is not stabilized, depends on the load. Maximum voltage value with no load not exceed -13.5V. Minimum output voltage with load 0.1A – not less then -11.5V.

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# DP010-F1

JP5 SATA POWER OUT

| Pin    | Description | Wire Color |
|--------|-------------|------------|
| 1..3   | n.c         | n.c        |
| 4..6   | GND         | Black      |
| 7..9   | +5V         | Red        |
| 10..12 | GND         | Black      |
| 13..15 | +12V        | Yellow     |

JP3 HDD OUT TH-4F  
(MOLEX 8981-04P)

| Pin | Description | Wire Color |
|-----|-------------|------------|
| 1   | +12V        | Yellow     |
| 2   | GND         | Black      |
| 3   | GND         | Black      |
| 4   | +5V         | Red        |

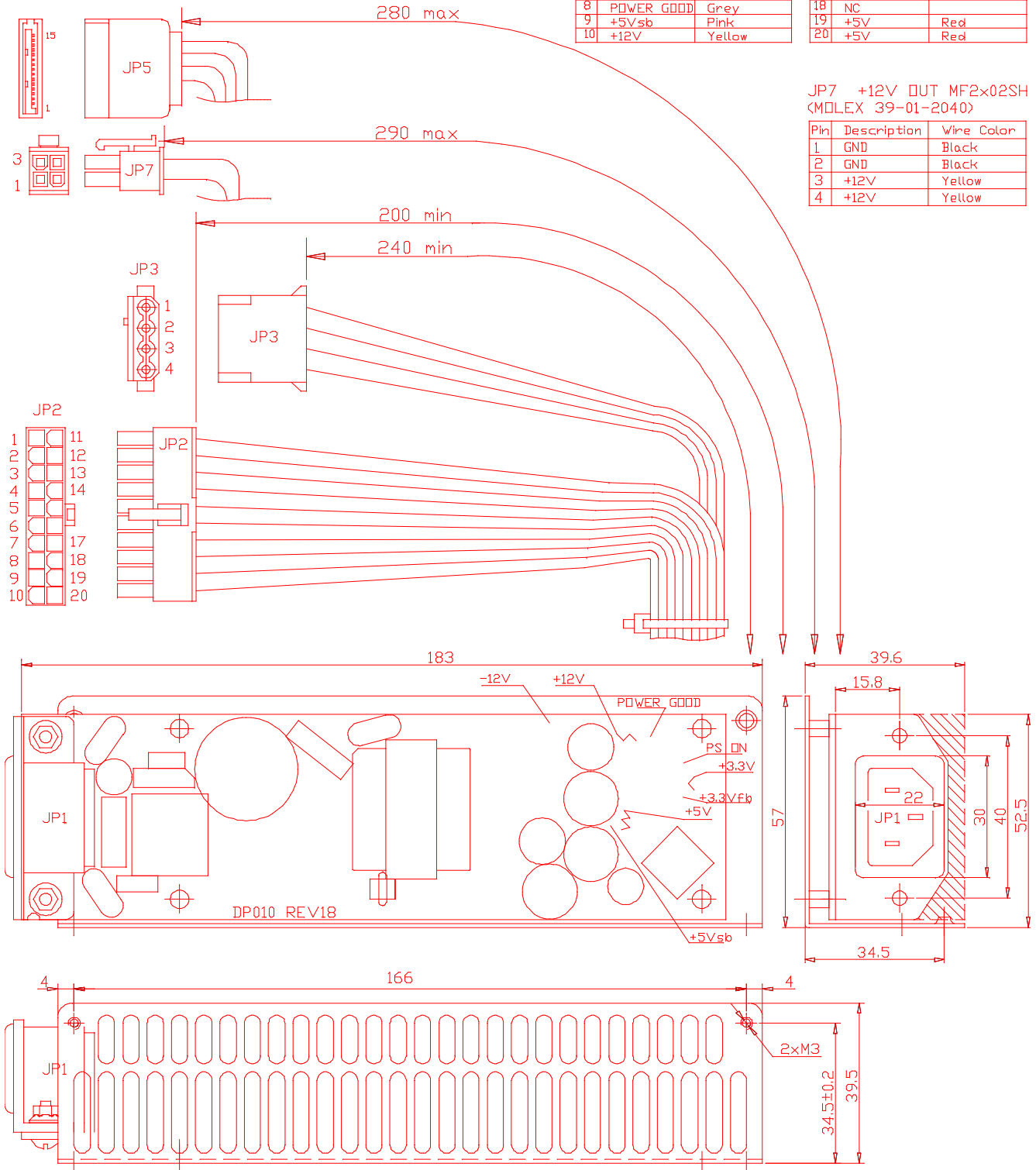
JP2 ATX OUT MF2x10SH (MOLEX 39-01-2200)

| Pin | Description | Wire Color |
|-----|-------------|------------|
| 1   | +3.3V       | Orange     |
| 2   | +3.3V       | Orange     |
| 3   | GND         | Black      |
| 4   | +5V         | Red        |
| 5   | GND         | Black      |
| 6   | +5V         | Red        |
| 7   | GND         | Black      |
| 8   | POWER GOOD  | Grey       |
| 9   | +5Vsb       | Pink       |
| 10  | +12V        | Yellow     |

| Pin | Description | Wire Color |
|-----|-------------|------------|
| 11  | +3.3V       | Orange     |
| 12  | -12V        | Blue       |
| 13  | GND         | Black      |
| 14  | PS_ON       | Green      |
| 15  | GND         | Black      |
| 16  | GND         | Black      |
| 17  | GND         | Black      |
| 18  | NC          |            |
| 19  | +5V         | Red        |
| 20  | +5V         | Red        |

JP7 +12V OUT MF2x02SH  
(MOLEX 39-01-2040)

| Pin | Description | Wire Color |
|-----|-------------|------------|
| 1   | GND         | Black      |
| 2   | GND         | Black      |
| 3   | +12V        | Yellow     |
| 4   | +12V        | Yellow     |



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## DP010-F2

